


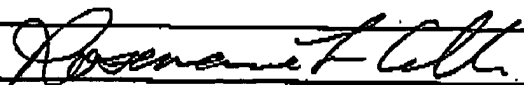
DEC 07 2004

PTO/SB/21 (09-04)

| | | |
|---|------------------------|-------------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 09/724,589 |
| | Filing Date | November 28, 2000 |
| | First Named Inventor | John P. Anderson et al. |
| | Art Unit | 1652 |
| | Examiner Name | Malgorzata A. Walicka |
| | Attorney Docket Number | 015270-008446US |
| Total Number of Pages in This Submission | 9 | |

| ENCLOSURES (Check all that apply) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form (1 p., submitted in duplicate) <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (8 pages) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request (1 page) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
| Remarks: The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | |
|--|--|----------|--------|
| Firm Name | Townsend and Townsend and Crew LLP | | |
| Signature |  | | |
| Printed name | Rosemarie L. Celli | | |
| Date | December 7, 2004 | Reg. No. | 42,397 |

| CERTIFICATE OF TRANSMISSION/MAILING | | |
|---|---|-------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, Fax No. (703) 872-9306 on December 7, 2004 | | |
| Signature |  | |
| Typed or printed name | Rosemarie L. Celli | Date Dec. 7, 2004 |

60373059 v1

PTO/BB/17 (10-04)

FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1530

Complete if Known

Application Number 09/724,569
 Filing Date November 28, 2000
 First Named Inventor John P. Anderson et al.
 Examiner Name Malgorzata A. Walicka
 Art Unit 1652
 Attorney Docket No. 015270-006446US

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:

Deposit Account Number

20-1430

Deposit Account Name

Townsend and Townsend and Crew LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 780 | 2001 | 395 | Utility filing fee | |
| 1002 | 350 | 2002 | 175 | Design filing fee | |
| 1003 | 550 | 2003 | 275 | Plant filing fee | |
| 1004 | 780 | 2004 | 395 | Reissue filing fee | |
| 1005 | 180 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1)

(\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | | Extra Claims | Fee from below | Fee Paid |
|----------------------|---|----------------------|----------------------|----------------------|
| <input type="text"/> | = | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Independent Claims | = | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Multiple Dependent | | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 88 | 2201 | 44 | Independent claims in excess of 3 |
| 1203 | 300 | 2203 | 150 | Multiple dependent claim, if not paid |
| 1204 | 88 | 2204 | 44 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$)

*or number previously paid, if greater. For Reissues, 689 above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 28 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 180 | 1053 | 180 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| 1804 | 820* | 1804 | 820* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 430 | 2252 | 215 | Extension for reply within second month | |
| 1253 | 880 | 2253 | 490 | Extension for reply within third month | |
| 1254 | 1,530 | 2254 | 765 | Extension for reply within fourth month | 1530 |
| 1255 | 2,080 | 2255 | 1,040 | Extension for reply within fifth month | |
| 1401 | 340 | 2401 | 170 | Notice of Appeal | |
| 1402 | 340 | 2402 | 170 | Filing a brief in support of an appeal | |
| 1403 | 900 | 2403 | 150 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 685 | Petition to revive - unintentional | |
| 1501 | 1,870 | 2501 | 685 | Utility issue fee (or reissue) | |
| 1502 | 490 | 2502 | 245 | Design issue fee | |
| 1503 | 680* | 2503 | 390 | Plant issue fee | |
| 1480 | 130 | 1480 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1808 | 180 | 1808 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 780 | 2809 | 395 | Filing a submission after final rejection (37 CFR § 1.128(a)) | |
| 1810 | 790 | 2810 | 395 | For each additional invention to be examined (37 CFR § 1.128(b)) | |
| 1801 | 790 | 2801 | 395 | Request for Continued Examination (RCE) | |
| 1802 | 800 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$)1530

SUBMITTED BY

| Name (Print/Type) | | Registration No. (Attorney/Agent) | | Telephone | |
|--------------------|--|-----------------------------------|--|------------------|--|
| Rosemarie L. Gelli | | 42,397 | | 650-326-2400 | |
| Signature | | Date | | December 7, 2004 | |
| | | | | | |

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60373064 v1

PTO/5B/17 (10-04)

FEE TRANSMITTAL for FY 2005

Effective 10/01/2004, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1530

Complete if Known

Application Number 09/724,569
 Filing Date November 28, 2000
 First Named Inventor John P. Anderson et al.
 Examiner Name Malgorzata A. Wallicka
 Art Unit 1652
 Attorney Docket No. 015270-006446US

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:

Deposit Account Number

20-1430

Deposit Account Name

Townsend and Townsend and Crew LLP

The Director is authorized to (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description | Fee Paid |
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| | | 1002 | 350 | 2002 175 Design filing fee | |
| | | 1003 | 550 | 2003 275 Plant filing fee | |
| | | 1004 | 790 | 2004 395 Reissue filing fee | |
| | | 1005 | 160 | 2005 80 Provisional filing fee | |

SUBTOTAL (1)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| | | | |
| Independent Claims | | | |
| Multiple Dependent | | | |

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description |
|--------------|--------------|----------|----------|---|
| | | 1202 | 18 | 2202 8 Claims in excess of 20 |
| | | 1201 | 98 | 2201 44 Independent claims in excess of 3 |
| | | 1203 | 300 | 2203 160 Multiple dependent claim, if not paid |
| | | 1204 | 88 | 2204 44 ** Reissue independent claims over original patent |
| | | 1205 | 18 | 2205 9 ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|--------------|--------------|----------|----------|--|----------|
| | | 1051 | 130 | 2051 65 Surcharge - late filing fee or oath | |
| | | 1052 | 50 | 2052 25 Surcharge - late provisional filing fee or cover sheet | |
| | | 1053 | 130 | 1053 130 Non-English specification | |
| | | 1812 | 2,520 | 1812 2,520 For filing a request for ex parte reexamination | |
| | | 1804 | 820* | 1804 820* Requesting publication of SIR prior to Examiner action | |
| | | 1805 | 1,840* | 1805 1,840* Requesting publication of SIR after Examiner action | |
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| | | 1253 | 980 | 2253 490 Extension for reply within third month | |
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| | | 1402 | 340 | 2402 170 Filing a brief in support of an appeal | |
| | | 1403 | 300 | 2403 150 Request for oral hearing | |
| | | 1451 | 1,510 | 1451 1,510 Petition to institute a public use proceeding | |
| | | 1452 | 110 | 2452 55 Petition to revive - unavoidable | |
| | | 1453 | 1,380 | 2453 685 Petition to revive - unintentional | |
| | | 1501 | 1,370 | 2501 685 Utility issue fee (or reissue) | |
| | | 1502 | 490 | 2502 245 Design issue fee | |
| | | 1503 | 660 | 2503 330 Plant issue fee | |
| | | 1460 | 130 | 1460 130 Petitions to the Commissioner | |
| | | 1807 | 50 | 1807 50 Processing fee under 37 CFR 1.17(q) | |
| | | 1808 | 180 | 1808 180 Submission of Information Disclosure Stmt | |
| | | 8021 | 40 | 8021 40 Recording each patent assignment per property (times number of properties) | |
| | | 1809 | 790 | 2809 395 Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| | | 1810 | 790 | 2810 395 For each additional invention to be examined (37 CFR § 1.129(b)) | |
| | | 1801 | 790 | 2801 395 Request for Continued Examination (RCE) | |
| | | 1802 | 900 | 1802 900 Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$1530)

SUBMITTED BY

| Name (Print/Type) | Rosemarie L. Gell | Registration No. (Attorney/Agent) | 42,397 | Telephone | 650-326-2400 |
|-------------------|-------------------|-----------------------------------|------------------|-----------|--------------|
| Signature | | Date | December 7, 2004 | | |

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Fax No. 1-703-872-9306 on 12/7/04.

PATENT
Attorney Docket No.: 015270-006446US
Client Ref. No.: 228-US-NEW2C6

TOWNSEND and TOWNSEND and CREW LLP

By: Roseanne L. Allen

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

John P. Anderson et al.

Application No.: 09/724,569

Filed: November 28, 2000

For: BETA-SECRETASE ENZYME
COMPOSITIONS AND METHODS

Customer No.: 20350

Confirmation No. 6102

Examiner: Malgorzata A. Walicka

Technology Center/Art Unit: 1652

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This paper is submitted in response to the Restriction/Election of Species Requirement mailed July 8, 2004. A petition to extend the time to respond for four months, from August 8, 2004 to December 8, 2004 is submitted herewith. Please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.